

Claims

1. Phospholipid gel comprised of a neutral and a negatively charged phospholipid and water.
2. Phospholipid gel according to claim 1, wherein the two phospholipid components are either of natural origin, semi-synthetic origin, or synthetic origin.
3. Phospholipid gel according to claim 1 or 2, wherein the two phospholipids are selected from di(C₈-C₂₂ acyl) phosphatidyl choline, preferably dipalmitoyl phosphatidyl choline, and di(C₈-C₂₂ acyl) phosphatidyl glycerol, preferably dipalmitoyl phosphatidyl choline.
4. Phospholipid gel according to one of the claims 1 to 3, wherein the total phospholipid concentration is within a range of 6-40 % by weight.
5. Phospholipid gel according to one of the claims 1 to 4, wherein the ratio of phosphatidyl choline to phosphatidyl glycerol is within the range of 10:1 to 10:0.25.
6. Phospholipid gel according to one of the claims 1 to 4 containing a pharmacologically active substance.
7. Phospholipid gel according to claim 6, wherein the active substance is a steroid, a non-steroidal antiphlogistic agent, an antibiotic, and antioxidant, or an antiepileptic agent.
8. Phospholipid gel according to claim 7, wherein the steroid is selected from the group comprised of cholesterol, hydrocortisone, or dexamethasone; the non-steroidal antiphlogistic agent can be selected from the group comprised of ibuprofen, diclofenac, flurbiprofen or

- 5 nabumetone; the antibiotic can be selected from the group comprised of tetracycline or one of its derivatives, an aminoglycoside, for example, gentamycine or neomycine, a macrolid antibiotic, for example, erythromycine, a nitroimidazole derivative, such as metronidazole or flucidic acid, an antibiotic peptide or an antibiotic oligonucleotide; the antioxidant can be selected from the group comprised of vitamin E or coenzyme Q₁₀; the antiepileptic agent can be selected from the group comprised of valproic acid and its salts.
- 10 9. Phospholipid gel according to one of the claims 1 to 8, produced by any useful manufacturing technique, inclusive of shaking, vortexing, mixing by a stirrer, extrusion, and homogenization.
10. Use of the phospholipid gel according to one of the claims 1 to 9 as a moisturizing or calming substance on normal or diseased skin or mucous membrane.
- 15 11. Use of the phospholipid gel according to one of the claims 1 to 9 as a carrier for medicaments or cosmetic substances for use on the skin, mucous membrane, in natural or surgically generated body cavities or body compartments accessible by local or parenteral application.
- 20 12. Use of the phospholipid gel according to one of the claims 1 to 9 as a stabilizer added to a solution for solubilizing hardly soluble substances and/or for preventing precipitation.